

Title (en)
FLEXIBLE DISPLAY DEVICE

Title (de)
FLEXIBLE ANZEIGEVORRICHTUNG

Title (fr)
DISPOSITIF D'AFFICHAGE SOUPLE

Publication
EP 3214490 A1 20170906 (EN)

Application
EP 15762462 A 20150316

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Abstract (en)

The present invention provides a flexible display device comprising: a display screen; a plurality of limiting structures arranged at the back side of the display screen, an end surface of a bottom end of each limiting structure is fixed on the back side of the display screen; the head end has a protrusion, the protrusion comprising a first abutting surface and a second abutting surface adjoined with each other, an opening of an angle between the two surfaces away from the display screen; the tail end has a groove, the groove comprising a third abutting surface and a fourth abutting surface adjoined with each other, an opening of an angle between the two surfaces away from the display screen and the angle being larger than the angle between the first abutting surface and the second abutting surface; the plurality of limiting structures are arranged in at least one row, a protrusion of a latter limiting structure in one row is located in a groove of a previous limiting structure; when the flexible display device bends towards the back side of the display screen, the first abutting surface of the latter limiting structure and the third abutting surface of the previous limiting structure abut against each other; when the flexible display device bends towards the display side of the display screen, the second abutting surface of the latter limiting structure and the fourth abutting surface of the previous limiting structure abut against each other.

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